sunExt

SPACE
BIO-PERGOLA

ENG

CATALOG

Comfort

Versatile

Flexible
shading

Index

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# Introduction

EXPALUM SunExt Space is made up of rotating aluminum slats that create warm spaces protected from adverse outdoor conditions.
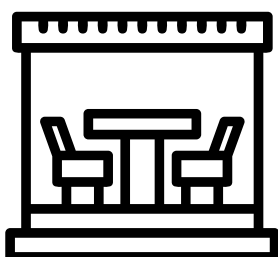
Versatile Spaces, It is ideal for patios, terraces, gardens, and balconies, seamlessly blending with any outdoor setting. This flexibility makes it a perfect addition to various environments, enhancing the usability of your outdoor areas.

Remote-Controlled Flexibility, Unlike other pergolas, this system allows the user to retract the slats using a remote control, providing the option to enjoy the sun and a broader view of the outside. This convenient feature offers effortless control, allowing you to adjust the ambiance with just a click.
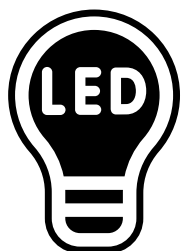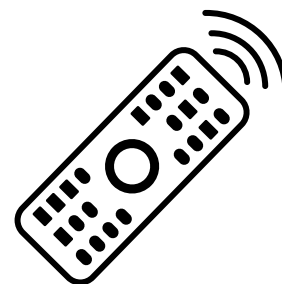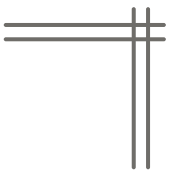
Enhanced Night Use, It also offers a wide variety of accessories, such as LED lighting in the slats or around the perimeter, making it possible to use the terrace at night. These lighting options not only extend the usability of your space but also create a warm and inviting atmosphere after dark.
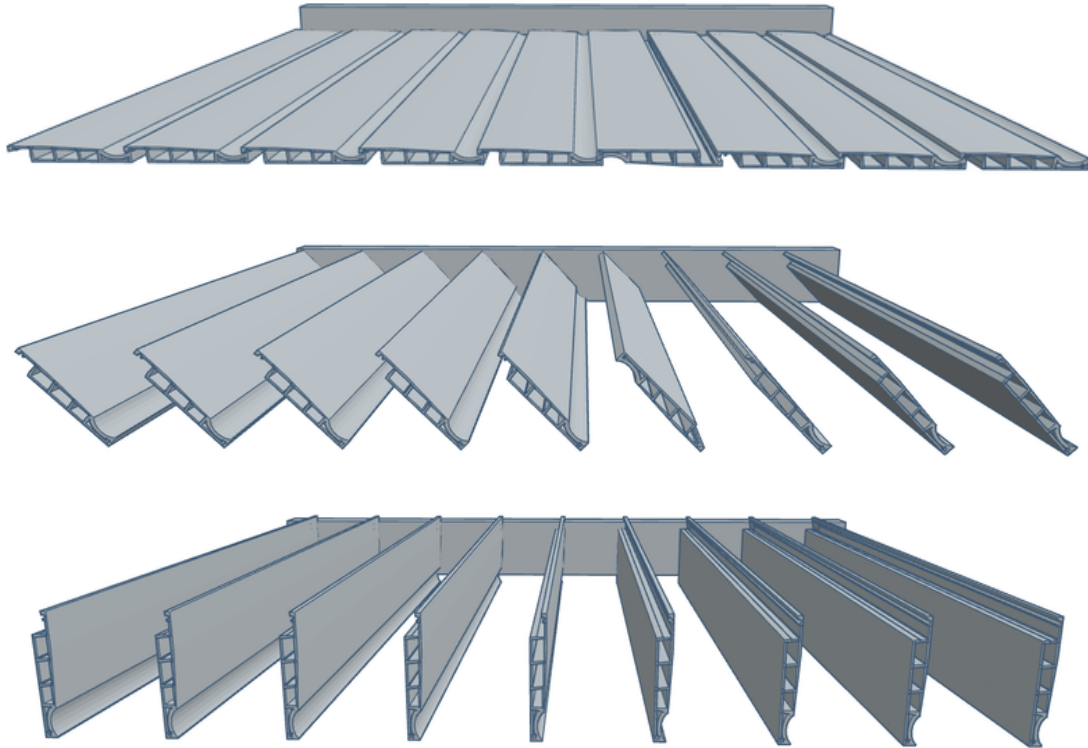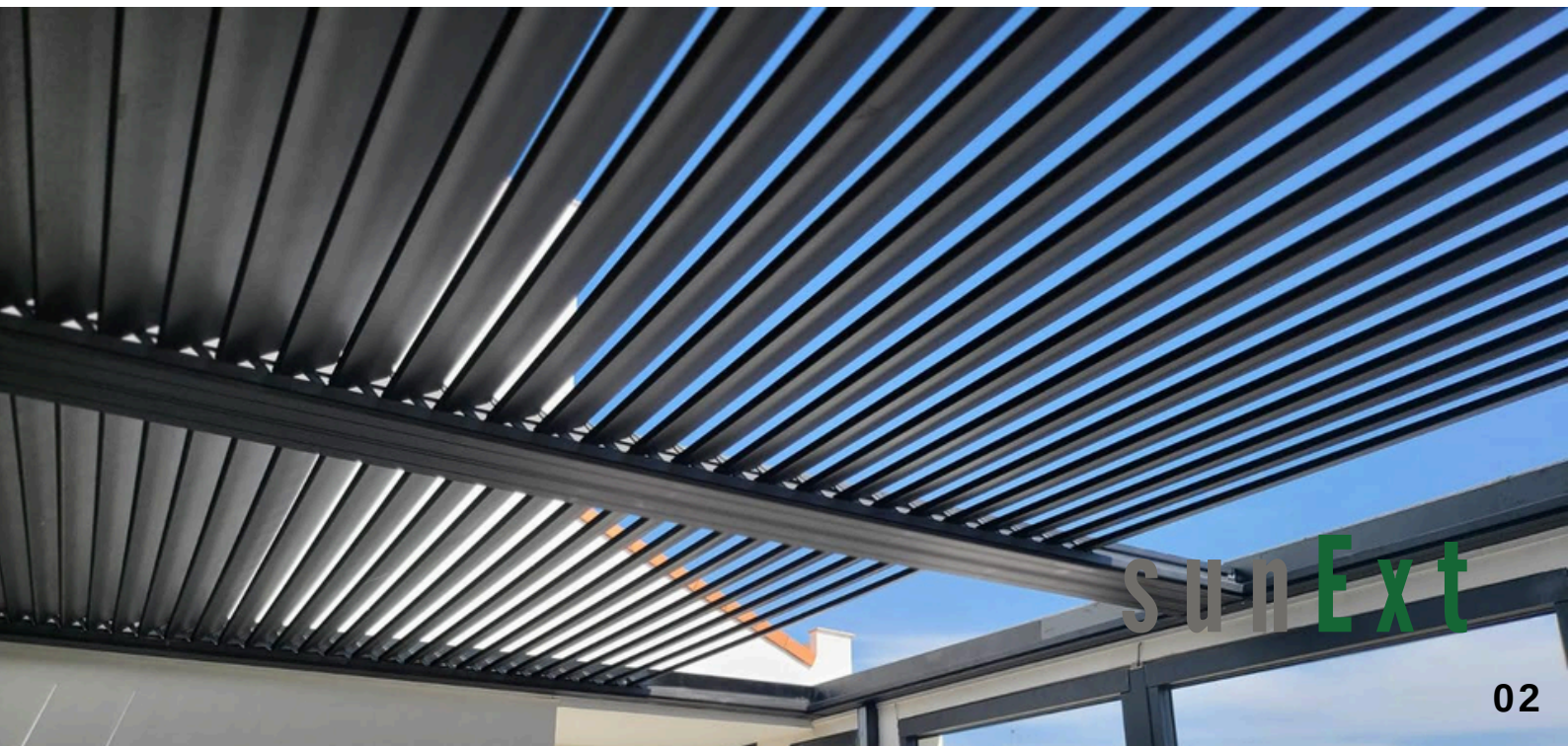
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Slats orientation

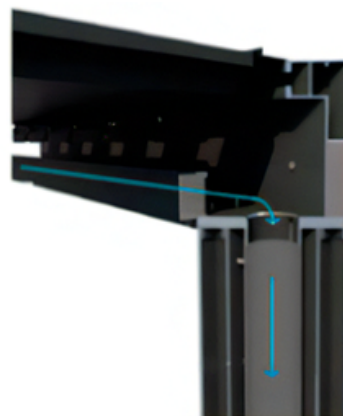90° is maximum louver's opening, that allows full use of the sunlight

*Maximum opening roof is 5750 mm for a total length of 7000 mm. Around a 83% of the roof can be open.

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Water evacuation system

The Pergola is designed to collect rainwater and channel it towards the side profiles of the grid.
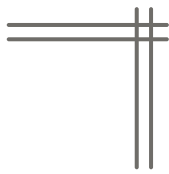Then the rainwater through the column is guided out of the construction.

The profile of the slat is studied to keep the raindrops that accumulate and do not fall when the slats start to move.

The finish of the profiles can be chosen between anodized, RAL color or imitation wood.

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Technical data

Water Resistance
UNE-EN 1873:2006
150l/sqm/h

Wind resistance
UNE-EN 13659:2016
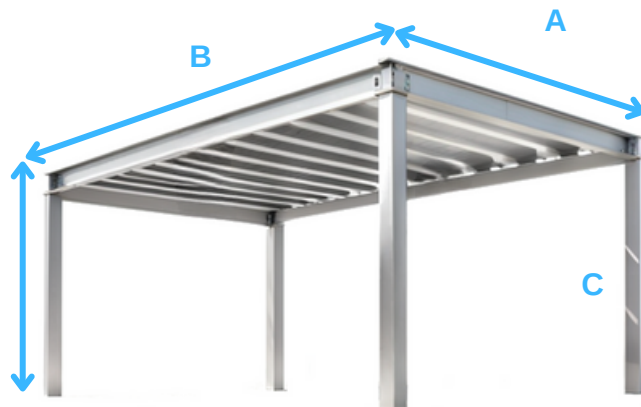600 Pa 224 km/h

Snow resistance
100 kg/sqm/h

Maximum dimensions

A: 4000 mm
B: 7000 mm
C: 3000 mm

Assembly typology & maximum dimensions

4 columns
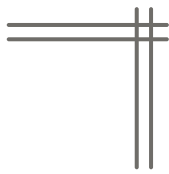
2 columns parallel to the wall

0 columns

*Anchor to a solid body is required where there is no colum.

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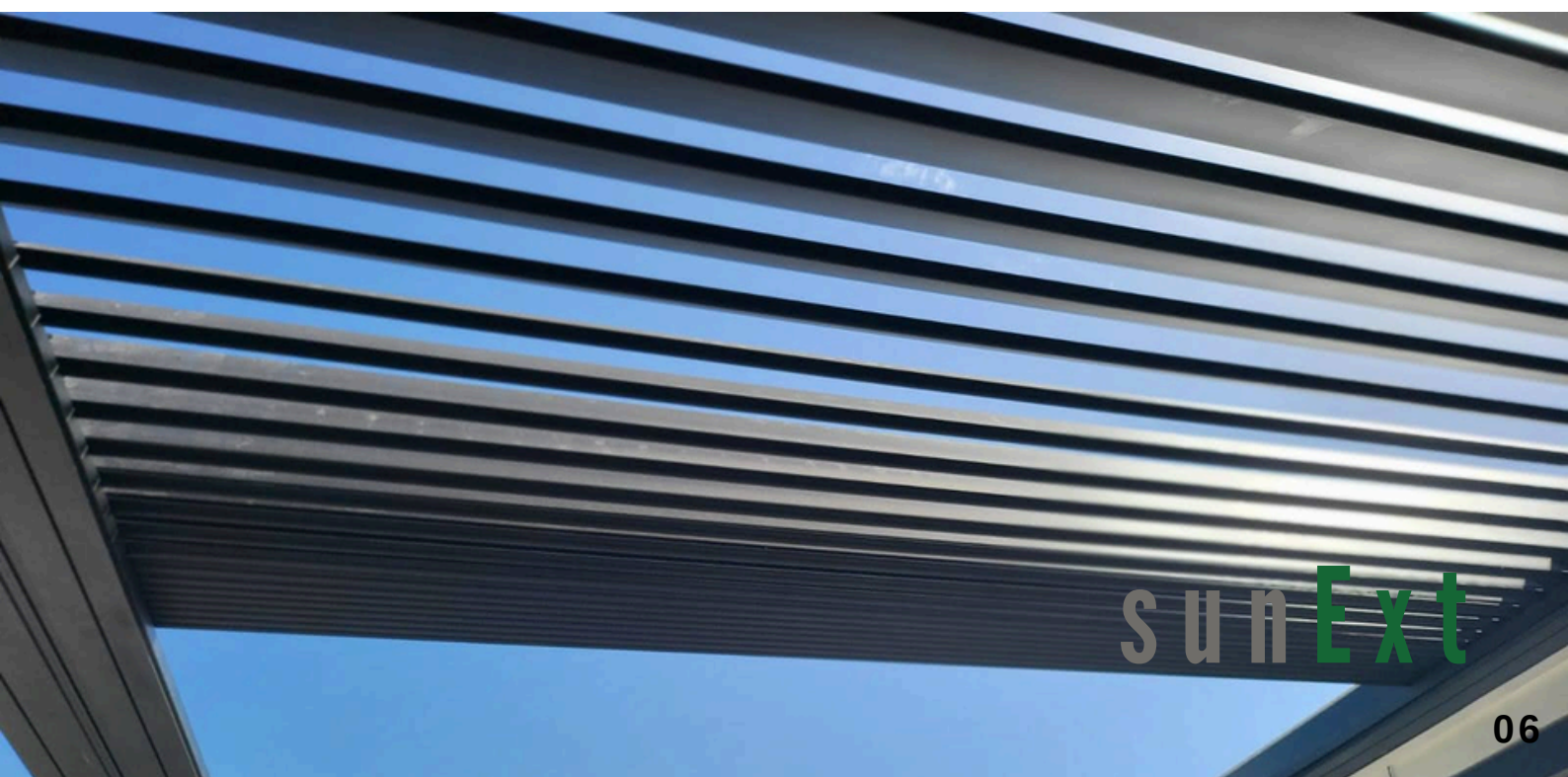# Assembly typology & maximum dimensions

3 columns

2 columns
perpendicular
to the wall

Duplex modules are not available for
bio-pergola, so linking several modules
will be necessary for bigger dimensions.

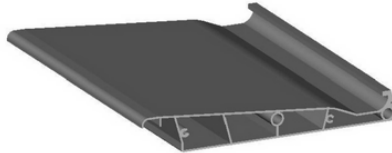*Anchor to a solid body is
required where there is no colum.
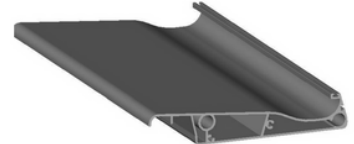
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Extrusion Profiles

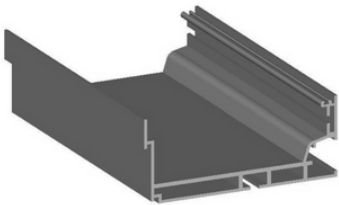**PF102 -** SIDE GUTTER RETRACTABLE PERGOLA REF:2088

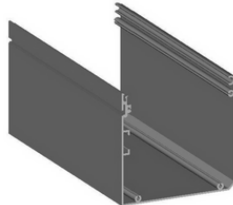**PF109 -** RETRACTABLE PERGOLA SLATE REF:2096

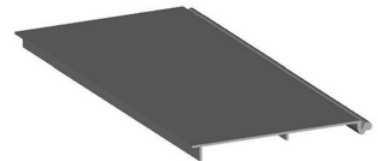**PF113 -** RETRACTABLE PERGOLA HALF SLAT REF:10016

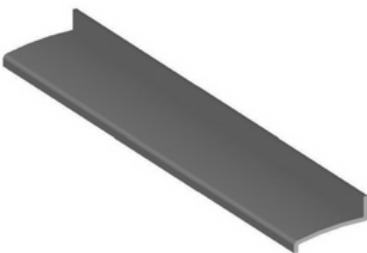**PF103 -** RETRACTABLE PERGOLA BASE GUTTER REF:2089
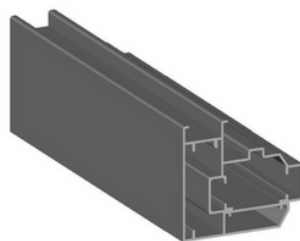
PF104 - RETRACTABLE PERGOLA MOTOR DRAWER REF:2090

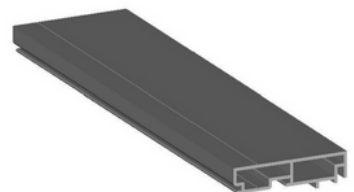**PF105 -** RETRACTABLE PERGOLA MOTOR DRAWER COVER REF:2091

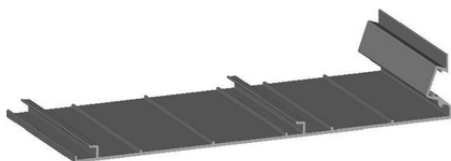**PF106 -** RETRACTABLE PERGOLA BEGINNING PROFILE REF:2092

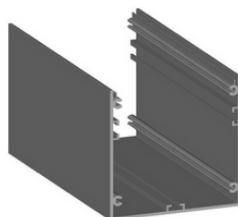**PF107 -** RETRACTABLE PERGOLA RAIL PROFILE REF:2279

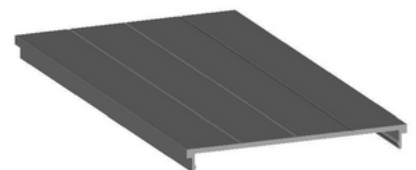**PF108 -** RETRACTABLE PERGOLA RAIL PROFILE COVER REF:2280
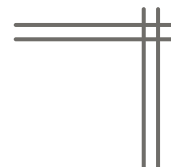
PF112 - GUTTER COVER REF:23364

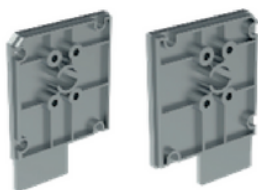**PF114 -** RETRACTABLE PERGOLA COLUMN PROFILE WITH COVER REF:10041 "NU"

PF115 - RETRACTABLE PERGOLA COLUMN COVER WITH COVER REF:10042 "NU"

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Accessories

PA201 - RETRACTABLE PERGOLA DRAWER END SET REF: B20001-002

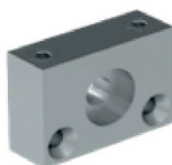**PA202 -** COVER SET FOR RETRACTABLE BLADE REF: B20003-004

PA203 - RETRACTABLE PERGOLA SIDE SCISSOR SET REF:B20005-006

PA204 - INTERIOR SQUARE RETRACTABLE BEAM REF:B20-007

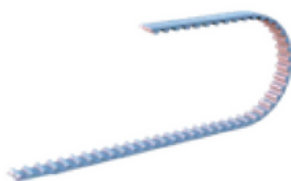**PA210 -** RETRACTABLE PERGOLA BEARING HOUSING REF:B20-013

PA253 - EMBELLECEDOR ESQUINA VIGA PERGOLA RETRACTIL REF:112117
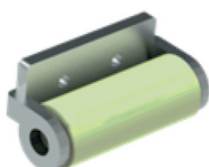
PA211 - CAPSULE 70MM RETRACTABLE PERGOLA REF:B20-014

PA208 - RETRACTABLE PERGOLA TOOTH CHAIN REF:B20-011

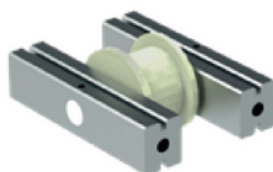**PA209 -** RETRACTABLE PERGOLA BEARING REF:B20-012

PA215 - PUSH BELT RETRACTABLE PERGOLA REF:B20-018

PA216 - RETRACTABLE PERGOLA BELT TENSIONER REF:B20-019

PA217- STUD 10 X 115 MM WITH RETRACTABLE PERGOLA WHEEL REF:B20-020

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PA218 - STUD 12 X 55 MM WITH RETRACTABLE PERGOLA WHEEL REF:B20-021

PA219 - RETRACTABLE PERGOLA SLATER FRONT BOLT REF:B20-022
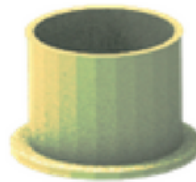
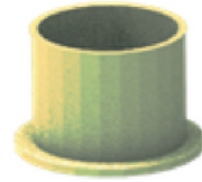**PA220 -** CENTRAL BOLT RETRACTABLE PERGOLA SLATE REF:B20-023

PA221 - MEDIUM LONG BUSHING RETRACTABLE PERGOLA SLATS REF:B20-024

PA224 - SHORT CAP 12 RETRACTABLE PERGOLA SLATED COVER REF:B20-027

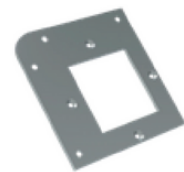**PA225 -** RETRACTABLE PERGOLA SCISSOR LONG BUSH REF:B20-028

PA227 - RETRACTABLE PERGOLA PLASTIC RAIL REF:B20-030

PA250 - RETRACTABLE STAINLESS STEEL PERGOLA NUT

PA251 - COLUMN CONNECTION BEAM RETRACTABLE BLIND PERGOLA
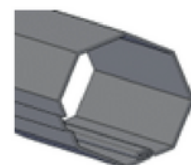

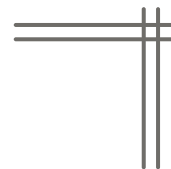**PA252 -** CENTRAL CONNECTION OF COLUMN BEAM RETRACTABLE BLIND PERGOLA

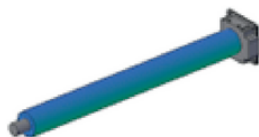**PA231 -** CENTRAL CONNECTION COLUMN BEAM RETRACTABLE PERGOLA REF:B20-034
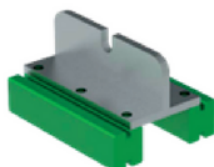
AE0015 - EJE DE 70 x 1,5 OCTOGONAL

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Accessories

MM0057 - GLB MOTOR DM59S-120/9 59mm 120 Nm + ADAPT. OCT AXIS 70

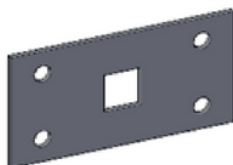**PA213 -** RETRACTABLE PERGOLA STRAP HANDLE REF:B20-016

PA214 - RETRACTABLE PERGOLA SLATE FIXING REF:B20-017

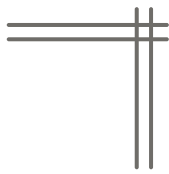**PA230 -** RETRACTABLE PERGOLA FLOOR COLUMN CONNECTION REF:B20-033

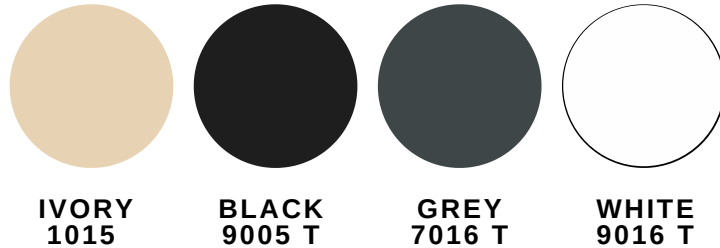**PA248 -** PLATE FOR MOTOR FIXING RETRACTABLE PERGOLA

PA249 - UPPER SQUARE SET RETRACTABLE PERGOLA GUTTER FIXING REF 119247-119248

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Range of colors available for structure and louvers

IVORY 1015 **BLACK 9005 T** **GREY 7016 T** **WHITE 9016 T**

*Other colors available under consultation

Lateral closing systems

– Guillotine glass systems
– Folding glass panels
– Sliding glass panels
– Zip

Picture 1. Wind Protect Guillotine & Sliding Crystal

Picture 2. Zip Caribe

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Automated system

– Spotlight led perimeter
– Perimeter led lightning
– Rain sensor
– Wind sensor
– Infrared heating
– Music set
– Smartphone control
– Additional power outlet

Motor

– Tubular motor

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